

CLAIMS

1. A cosmetic pencil comprising a sleeve body (10) which in its interior has a cavity (12) which is open outwardly by way of at least one opening (12a, 12b) and which extends longitudinally and a lead (14) of a cosmetic material, which is arranged in the cavity (12), wherein the lead (14) is arranged in the sleeve body (10) in spaced relationship with the inside wall of the cavity (12) of the hollow body (10) at least in portion-wise manner in the peripheral and/or longitudinal direction, forming an empty space,

characterised in that there is also provided a fixing securing means (40) for the lead (14) in the cavity (12) of the sleeve body (10), which fixes the lead (14) in the interior of the cavity (12) at least to prevent rotation thereof.

2. A cosmetic pencil as set forth in claim 1 characterised in that the lead (14) is spaced at least almost completely relative to the inside wall of the cavity (12), forming the empty space.

3. A cosmetic pencil as set forth in claim 2 characterised in that the lead (14) is arranged in concentric relationship with respect to the longitudinal center line (M) of the cavity (12) spaced in relation to the inside wall of the cavity (12), forming the empty space.

4. A cosmetic pencil as set forth in one of claims 1 through 3 characterised in that arranged at the inside wall of the cavity (12) is at least one guide rib (12d) which extends in the longitudinal direction of the cavity (12) and which is in contact with the outside surface of the lead (14) in at least one and preferably at a plurality of points.

5. A cosmetic pencil as set forth in claim 4 characterised in that the guide rib (12) is at least portion-wise in line contact with the outside surface of the lead (14).

6. A cosmetic pencil as set forth in claim 4 or claim 5 characterised in that arranged in the peripheral direction of the inside wall of the cavity (12) are a plurality of guide ribs (12d) which are preferably at an equal spacing from each other in the peripheral direction.

7. A cosmetic pencil as set forth in one of claims 1 through 6 characterised in that the fixing securing means (40) is provided in the region of the one end of the sleeve body (10).

8. A cosmetic pencil as set forth in one of claims 1 through 7 characterised in that the fixing securing means (40) is formed by a clamping means (10e, 30) for the lead (14) in the interior of the cavity (12) of the sleeve body (10).

9. A cosmetic pencil as set forth in claim 8 characterised in that provided at the one end of the sleeve body (10) is at least one slot (10e) which extends in the longitudinal direction of the sleeve body and which is compressible by means of a clamping element (30) fitted on to the end of the sleeve body (10), with a reduction in the inside diameter of the cavity (12) of the sleeve body (10).

10. A cosmetic pencil as set forth in one of claims 1 through 7 characterised in that the fixing securing means (40) is formed by a melted portion of the lead (14) in the interior of the cavity (12) of the sleeve body (10).

11. A cosmetic pencil as set forth in one of claims 1 through 7 characterised in that the fixing securing means (40) is formed by a wax plug (44) introduced into the one end of the sleeve body (10).

12. A cosmetic pencil as set forth in one of claims 1 through 7 characterised in that the fixing securing means (40) is formed by at least

one shaped portion (42) which on the one hand is inserted into the lead (14) and which on the other hand comes into engagement with co-operating elements (12c) provided at the inside of the cavity (12) of the sleeve body (10).

13. A cosmetic pencil as set forth in one of claims 1 through 7 characterised in that the fixing securing means (40) is formed by a displacement body (46a) which is disposed on an insert portion (46) which penetrates into the lead (14) upon insertion of the insert portion (46).

14. A cosmetic pencil as set forth in one of claims 1 through 13 characterised in that the opening (12a, 12b) of the sleeve body (10) is closable by a cap (20, 30).

15. A cosmetic pencil as set forth in claim 14 characterised in that a sealing means (50) is provided between the cap (20, 30) and the cavity (12) of the sleeve body (10).

16. A cosmetic pencil as set forth in one of claims 1 through 15 characterised in that the sleeve body (10) is of a cross-section differing from a circular cross-section.

17. A cosmetic pencil as set forth in one of claims 1 through 16 characterised in that the sleeve body is made from a transparent material.

18. A cosmetic pencil as set forth in one of claims 1 through 17 characterised in that the sleeve body (10) is made from a material which can be sharpened to a point.

19. A cosmetic pencil as set forth in one of claims 1 through 18 characterised in that the lead (14) is of a cross-section which differs from a circular cross-section.

20. A process for producing a cosmetic pencil, in particular as set forth in one of claims 1 through 19, wherein the process includes the following steps:

providing a sleeve body which in its interior has a longitudinally extending cavity which is open outwardly by way of at least one opening,

providing a lead produced by molding or extrusion,

dimensioning the outside diameter of the lead in such a way that it is at least slightly smaller than the inside diameter of the cavity of the sleeve body, and

introducing the lead into the cavity of the sleeve body,

characterised in that the lead is fixed in the interior of the cavity of the pencil body by means of a fixing securing means.

21. A process as set forth in claim 20 characterised in that fixing is effected by melting a portion of the lead.

22. A process as set forth in claim 21 characterised in that the melting operation is effected by ultrasound.

23. A process as set forth in claim 21 characterised in that the melting operation is effected by applying microwaves to the lead.

24. A process as set forth in claim 21 characterised in that the melting operation is effected by heating the lead.

25. A process as set forth in one of claims 21 through 24 characterised in that the lead is fixed in the cavity of the sleeve body by a wax plug.

26. A process as set forth in one of claims 21 through 25 characterised in that the lead is fixed by inserting a shaped portion into an end region of the lead in such a way that the shaped portion can come into

engagement with engagement elements provided at the inside wall of the cavity.

27. A process as set forth in one of claims 21 through 26 characterised in that the lead is fixed by being clamped fast by means of deformation of the sleeve body.

28. A process as set forth in one of claims 20 through 27 characterised in that the opening in the sleeve body is sealed off.

29. A process as set forth in one of claims 20 through 28 characterised in that a friction-reducing means, in particular talc, is applied at least slightly to the outside of the lead prior to the insertion thereof into the sleeve body.

30. A process as set forth in claim 29 characterised in that the friction-reducing means is applied to the portions of the lead, which have no spacing relative to the inside wall of the cavity.